

DRILL HOLES

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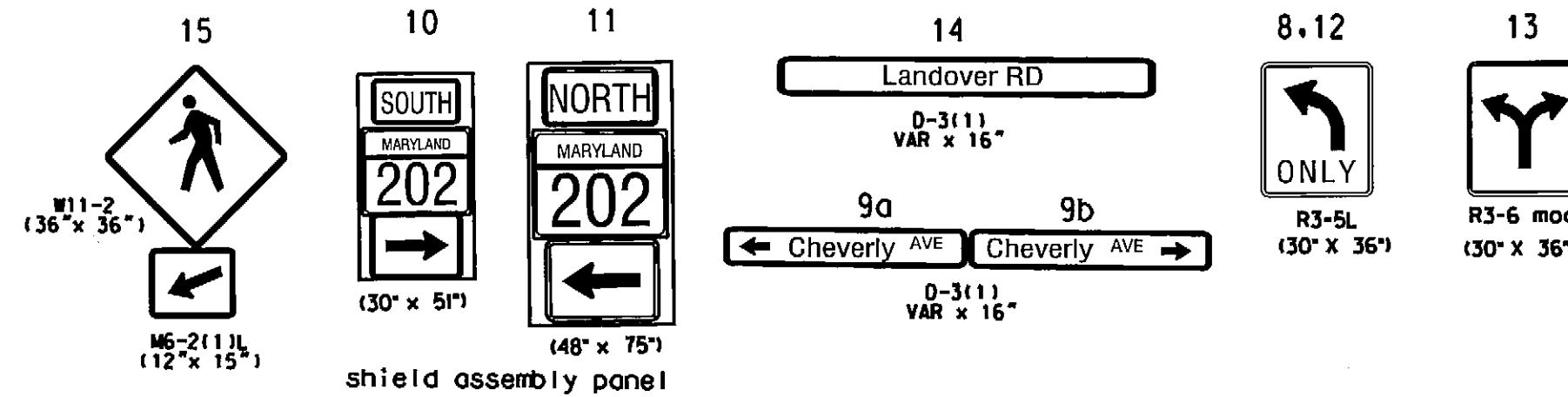
DRILL HOLES

BORDER REV: DATE: MON/12/2008/07

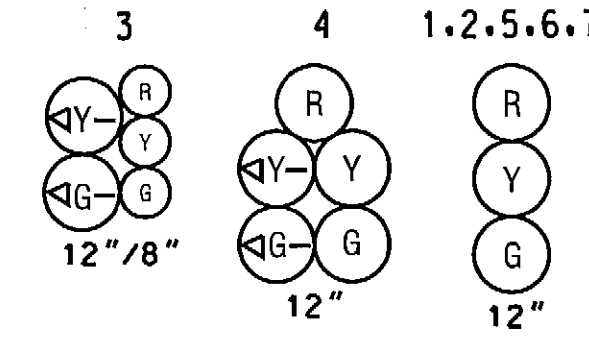
BY: \$USERNAMES

MD 202 IS ASSUMED TO RUN
IN A NORTH-SOUTH DIRECTION

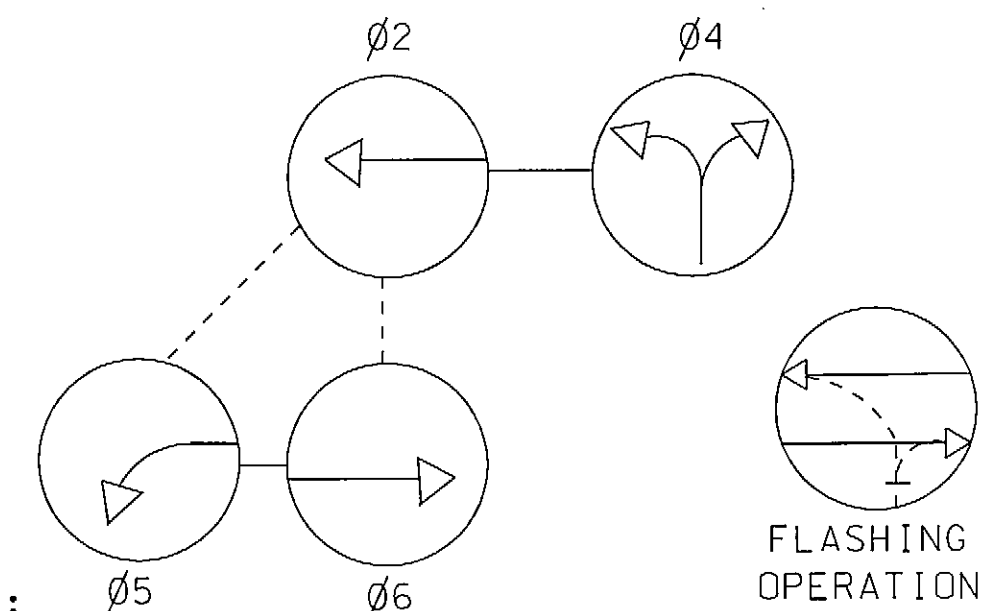
PROPOSED SIGNS



PROPOSED SIGNALS

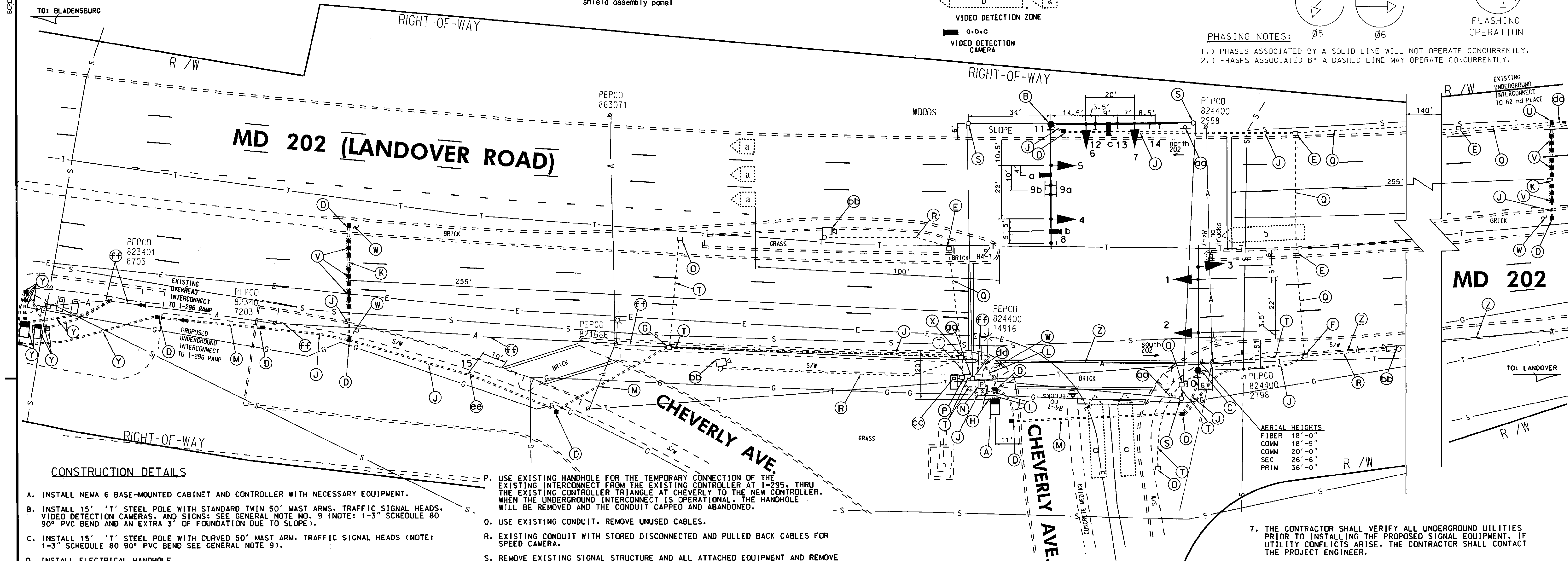


NEMA PHASING



PHASING NOTES:
1.) PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.
2.) PHASES ASSOCIATED BY A DASHED LINE MAY OPERATE CONCURRENTLY.

MD 202 (LANDOVER ROAD)



CONSTRUCTION DETAILS

- INSTALL NEMA 6 BASE-MOUNTED CABINET AND CONTROLLER WITH NECESSARY EQUIPMENT.
- INSTALL 15' 'T' STEEL POLE WITH STANDARD TWIN 50' MAST ARMS, TRAFFIC SIGNAL HEADS, VIDEO DETECTION CAMERAS, AND SIGNS: SEE GENERAL NOTE NO. 9 (NOTE: 1-3" SCHEDULE 80 90° PVC BEND AND AN EXTRA 3' OF FOUNDATION DUE TO SLOPE).
- INSTALL 15' 'T' STEEL POLE WITH CURVED 50' MAST ARM, TRAFFIC SIGNAL HEADS (NOTE: 1-3" SCHEDULE 80 90° PVC BEND SEE GENERAL NOTE 9).
- INSTALL ELECTRICAL HANDHOLE.
- USE EXISTING HANDHOLE. REMOVE ALL UNUSED CABLES.
- USE EXISTING HANDHOLE: PULL BACK DISCONNECTED INTERCONNECT AND RE-ROUTE THRU NEW CONDUIT TO NEW CONTROLLER/CABINET. SPEED CAMERA CABLES SHOULD BE OUT OF YOUR WAY (SEE: G1 SHEET SPECIAL NOTE). INSTALL NEW FRAME AND COVER TO HANDHOLE.
- USE EXISTING HANDHOLE. ADJUST TO GROUND GRADE AND INSTALL NEW FRAME AND COVER. REMOVE UNUSED CABLES FROM THE ABANDON LOOP DETECTORS.
- INSTALL 2" SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED.
- INSTALL 3" SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED.
- INSTALL 3" SCHEDULE 80 RIGID PVC CONDUIT - SLOTTED.
- INSTALL 4" SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED.
- INSTALL 4" SCHEDULE 80 RIGID PVC CONDUIT - BORED.
- REMOVE CONCRETE PAD INSTALL NEW CONDUITS IN EXISTING 200 AMP SERVICE PEDESTAL. USE 5" CONCRETE SIDEWALK INSTALL 24"x24" CONCRETE PAD. INSTALL NEW SERVICE TO CABINET.
- DISCONNECT EXISTING LOOP DETECTOR AND REMOVE EXISTING HANDHOLE. CAP AND ABANDON CONDUIT.

- USE EXISTING HANDHOLE FOR THE TEMPORARY CONNECTION OF THE EXISTING INTERCONNECT FROM THE EXISTING CONTROLLER AT I-295, THRU THE EXISTING CONTROLLER TRIANGLE AT CHEVERLY TO THE NEW CONTROLLER. WHEN THE UNDERGROUND INTERCONNECT IS OPERATIONAL, THE HANDHOLE WILL BE REMOVED AND THE CONDUIT CAPPED AND ABANDONED.
- USE EXISTING CONDUIT. REMOVE UNUSED CABLES.
- EXISTING CONDUIT WITH STORED DISCONNECTED AND PULLED BACK CABLES FOR SPEED CAMERA.
- REMOVE EXISTING SIGNAL STRUCTURE AND ALL ATTACHED EQUIPMENT AND REMOVE FOUNDATION AT LEAST 12" BELOW GROUND GRADE. (MAINTAIN CABINET POLE UNTIL PROPOSED UNDERGROUND INTERCONNECT IS OPERATIONAL).
- CAP AND ABANDON EXISTING CONDUIT.
- OPEN A HOLE AROUND THE EXISTING CONDUIT TO INSTALL BRICK HANDHOLE. 3" SLOTTED CONDUIT AND DETECTION LEAD-INS TO CROSS MD 202. EXTREME CARE SHALL BE APPLIED TO PROTECT THE EXISTING INTERCONNECT CABLE.
- INSTALL NON-INVASIVE DETECTOR WITH LEAD-INS TO THE CONTROLLER/CABINET.
- REMOVE AND REPLACE EXISTING BRICK AND/OR CONCRETE SIDEWALK FOR THE INSTALLATION OF SIGNAL EQUIPMENT AND CONDUIT.
- USE EXISTING HANDHOLE. ADJUST TO GROUND GRADE AND INSTALL NEW FRAME AND COVER. REMOVE UNUSED CABLES FROM THE ABANDONED LOOP DETECTORS. SPEED CAMERA CABLES SHOULD BE OUT OF THE WAY (SEE: G1 SHEET SPECIAL NOTE).
- EQUIPMENT TO BE INSTALLED UNDER CONTRACT TMS NO. K-043 FOR UNDERGROUND INTERCONNECT CABLE RUN FROM CHEVERLY AVENUE TO I-295.
- REMOVE THE ABANDON OVERHEAD ALUMINUM SHIELDED CABLES AND SPAN ALONG THE OVERHEAD UTILITY CABLES.
- REMOVE EXISTING GROUND MOUNTED SIGNS.
- EXISTING TRAFFIC SPEED CAMERA TO BE REWIRED BY OTHERS (SEE: G1 SHEET SPECIAL NOTE).
- TEMPORARILY USE THE EXISTING CONTROLLER/CABINET. INSTALL 12 PAIR COMMUNICATION CABLE FROM EXISTING CONTROLLER TO PROPOSED CONTROLLER TO MAINTAIN THE NORTH LEG OF INTERCONNECT. UPON THE COMPLETION OF THE PROPOSED UNDERGROUND I/C RUN AT THE RAMP, THE EXISTING CONTROLLER/CABINET SHALL BE REMOVED WITH THE CONDUIT CAPPED AND ABANDONED. THE FOUNDATION IS TO BE REMOVED AT LEAST 12" BELOW GROUND GRADE. (REFERENCE: CONTRACT TMS NO. K-043)
- MAINTAIN EXISTING CONDUIT AND SERVICE CABLES REWIRE TO NEW PEDESTAL.
- INSTALL GROUND MOUNTED SIGN AND SUPPORT.
- MAINTAIN EXISTING OVERHEAD INTERCONNECT RUN UNTIL UNDERGROUND RUN IS COMPLETE.
- MAINTAIN EXISTING POLE STRUCTURE UNTIL THE INTERCONNECT HAS BEEN RE-ROUTED. THEN REMOVE THE STRUCTURE. ALL ATTACHED EQUIPMENT AND THE FOUNDATION 12" BELOW GRADE.

GENERAL NOTES:

- VIDEO CAMERA LOCATION / ALIGNING SHALL BE COORDINATED WITH THE SHA ENGINEER.
- THE CONTRACTOR SHALL VERIFY ALL PROPOSED POLE AND CABINET LOCATIONS PRIOR TO INSTALLATION.
- THE EXISTING PAVEMENT MARKINGS WILL BE MAINTAINED.
- ALL EXISTING TRAFFIC SIGNAL EQUIPMENT REMOVED SHALL BECOME THE PROPERTY OF THE SIGNAL CONTRACTOR UPON COMPLETION OF THE NEW SIGNAL.
- ALL NEW LUMINAIRES SHALL BE SUPPLIED WITH A PHOTOCCELL.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR TERMINATING ALL SIGNAL CABLES TO THE APPROPRIATE TERMINAL. AND FOR PROPERLY LABELING EACH CABLE.
- THE CONTRACTOR SHALL VERIFY ALL UNDERGROUND UTILITIES PRIOR TO INSTALLING THE PROPOSED SIGNAL EQUIPMENT. IF UTILITY CONFLICTS ARISE, THE CONTRACTOR SHALL CONTACT THE PROJECT ENGINEER.
- ALL TRAFFIC SIGNAL FOUNDATIONS SHALL BE INSTALLED AT THE FINAL SIDEWALK OR CURB GRADE FOR CLOSED SECTIONS, AND THE HIGHEST ROADWAY PROFILE GRADE FOR OPEN SECTIONS. TO MEET CLEARANCES AS SPECIFIED IN MD 816.03, MD 818.01, MD 818.02, & MD 818.04. THE CONTRACTOR SHALL VERIFY ULTIMATE GRADES PRIOR TO INSTALLATION OF ALL SIGNAL EQUIPMENT. (SEE: NOTE NO. 9)
- THE FOUNDATION FOR THE MAST ARM POLE DETAIL "B" SHALL BE INSTALLED 3' ABOVE THE CROWN OF THE ROAD DUE TO SLOPE. UTILIZING A 15 FOOT 'T' DIMENSION UPRIGHT WITH STANDARD TWIN 50' MAST ARMS (NOTE: THE MAST ARMS WILL NOT BE THE CURVED ARMS ASSOCIATED WITH THE 15 FOOT 'T' UPRIGHT).

CENTURY
ENGINEERING
CONSULTING ENGINEERS - PLANNERS
10710 GILROY ROAD
HUNT VALLEY, MD 21031
Phone: (410) 823-8070 Fax: (410) 823-2184

LEGEND OF UNDERGROUND AND OVERHEAD UTILITIES

AERIAL CABLE	A
ELECTRICAL	E
TELEPHONE	T
GAS	G
SEWER	S
WATER	W
CABLE TV	TV

REVISION 'D' 26265.20.005

TOD No: XX351-10
SHA No: PG769A58/K58
MD 202 @ cheverly Avenue

APPROVALS		REVISIONS		TRAFFIC SIGNALIZATION PLAN	
TEAM LEADER		RECONSTRUCTION TO MAST ARM 6/14/2000		SCALE: 1" = 20'	ADVERTISED DATE: 8-30-1972
ASST. DIR. CHIEF		VIDEO DETECTION & NON-INVASIVE DET.		CONTRACT NO. P-368-385	
DIVISION CHIEF		MAR 007 187 R.D. 885 10-23-2004		DESIGNED BY G. COOK	COUNTY PRINCE GEORGE'S
OFFICE DIRECTOR		UPGRADE REDLIGHT CAMERA TMS# G-700		DRAWN BY	LOGMILE 16020213.28
		REDUCE LOOPS DUE TO RESURFACING SHA# PG425B4		CHECKED BY MAR /NMR	TMS NO. K032
				F.A.P. NO. T-8006 (24)	TOD NO.
				TS NO. 691D	DRAWING 5G-01 OF 2
					SHEET NO. 1 OF 2